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(PCT Administrative Instructions, Section 411)

To:

TARUMOTO, Hisayuki
7F, Luguran Shinsaibashi Bldg.
12-16, Minamisenba 2-chome, Chuo-ku
Osaka-shi, Osaka 542-0081
Japan

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International publication date (day/month/year) Not yet published	Priority date (day/month/year) 18 July 2002 (18.07.02)	
Applicant MATSUURA, Kazumasa		

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
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<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
18 July 2002 (18.07.02)	2002-209494	JP	05 Sept 2003 (05.09.03)
07 May 2003 (07.05.03)	2003-129359	JP	05 Sept 2003 (05.09.03)

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Farid ABBOU

Facsimile No. (41-22) 338.70.10

Telephone No. (41-22) 338 8169

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/09053

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B23D47/12, B24B27/06, B28D1/04, E02F3/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B23D47/00, B24B27/06, B28D1/00, E02F3/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003

Kokai-Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 171442/1975 (Laid-open No. 82286/1977) (Toda Corp.), 20 June, 1977 (20.06.77), Claims; Figs. 1 to 2 (Family: none)	1-4, 6-15 5, 16
Y A	US 3468351 A (MCCULLOCH CORP.), 23 September, 1969 (23.09.69), Claims; Figs. 1 to 4 & JP 48-21558 B1	1-4, 6-15 5, 16
Y	EP 665077 A1 (KANZAKI KOKYUKOKI MFG. CO., LTD.), 02 August, 1995 (02.08.95), Claims; Fig. 4 & JP 7-24634 A	1-4, 6-15

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search
05 August, 2003 (05.08.03)Date of mailing of the international search report
19 August, 2003 (19.08.03)Name and mailing address of the ISA/
Japanese Patent Office

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TRADE MARK OFFICE

INTERNATIONAL SEARCH REPORT

International application No.
JP03/09053

(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 4-193414 A (Nissan Motor Co., Ltd.), 13 July, 1992 (13.07.92); Claims; Fig. 4 (Family: none)	1-4, 6-15
Y	JP 11-48033 A (Kabushiki Kaisha Horinouchi), 23 February, 1999 (23.02.99), Claims; Figs. 1 to 3 (Family: none)	8-12
Y	JP 7-88010 B2 (Shibaura Engineering Works Co., Ltd.), 27 September, 1995 (27.09.95), Claims; Fig. 1 (Family: none)	8-12